

D1
13. (Amended) [An electrode assembly according to claim 12, wherein the conductive material is applied to the exterior surface of the structure by ion beam assisted deposition.]

A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure, and

applying an electrically conductive coating to the structure using ion beam aided deposition, the electrically conductive coating adapted to sense electrical events in the body tissue and ablate the body tissue.

D2
15. (Amended) [An electrode assembly according to claim 14, wherein the spaced apart conductive zones comprise a conductive material applied by ion beam aided deposition.]

A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure, and

applying a number of spaced apart conductive zones to the structure using ion beam aided deposition.

D3
17. (Amended) [An electrode assembly according to claim 16, wherein the electrically conductive material is applied by ion beam assisted deposition.]

A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure having an outer surface, and

applying an electrically conductive coating to substantially all of the outer surface of the structure using ion beam aided deposition, the electrically conductive coating adapted to sense electrical events in the body tissue and ablate the body tissue.

D4
19. (Amended) [An electrode assembly according to claim 18, wherein the spaced apart conductive zones comprise a conductive material applied by ion beam aided deposition.]

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A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure, and
applying a number of spaced apart conductive zones to the structure using ion beam aided deposition, the spaced apart conductive zones adapted to sense electrical events in the body tissue and ablate the body tissue.

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21. (Amended) [An electrode assembly according to claim 20, wherein the electrically conductive coating is applied using ion beam assisted deposition.]

A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

providing an expandable and collapsible structure having an outer surface, and
applying an electrically conductive coating to substantially all of the outer surface of the structure using ion beam aided deposition, the electrically conductive coating adapted to sense electrical events in the body tissue.

N 22. (Recited) A method for constructing an electrode assembly, the electrode assembly configured to transmit electrical energy to body tissue, comprising:

- providing an expandable and collapsible structure, and
- applying an electrically conductive coating to the structure using ion beam aided deposition.

REMARKS

Applicants' attorney would like to thank the Examiner for the courteous interview extended to him on September 23, 1999. Per the interview, Applicants have rewritten claims 13, 15, 17, 19 and 21 as method of manufacturing claims, similar to allowed claim 22, and canceled claims 11, 12, 14, 16, 18 and 20 because the proposed amendments to these claims would require the Examiner to undergo additional searching after a Final Office Action. The Examiner indicated that it would be better to pursue claims such as those proposed in the interview in a continuation application. Thus, claims 13, 15, 17, 19, 21 and 22 should be in condition for allowance and such action is respectfully requested.